

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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TITLE : ANTIMUTAGENIC AGENT

ABSTRACT : PURPOSE: To provide the titled agent capable of lowering or eliminating the mutagenicity of food, table luxuries, etc., and composed of an embryo preparation such as malt, soybean, rice bran, and their extracted fractions, etc.

CONSTITUTION: An antimutagenic agent is obtained by using an embryo preparation selected from the group of malt, soybean, rice bran, and their extracted fractions, as a component. The mutagens proved to be existent in foods and table luxuries are e.g. benzo[a]pyrene, aflatoxin B<sub>1</sub>, 2-aminofluorene, benz[a] anthracene, etc. In the usual foods and drinks, the level of mutagenicity is high in coffee. The above embryo preparation inactivates the mutagenicity in black tea and straight bourbon as well as coffee. The necessary amount of the preparation is 0.25~25mg of the malt powder, soybean flour or rice bran, or 0.05~0.5mg of the dried powder of said extracted fraction based on the normal concentration of coffee (5~20mg of coffee powder per 1 liter).

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